



CLUSTA~1.TXT

CLUSTAL W (1.82) Multiple Sequence Alignments

SEQ ID NO:2: 2_HuPS1 467 aa
SEQ ID NO:134: 134_HuPS1 467 aa
SEQ ID NO:4: 4_MuPS1 461 aa

Sequences (2:134) Aligned. Score: 99
Sequences (2:4) Aligned. Score: 89
Sequences (134:4) Aligned. Score: 89

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2_HuPS1      MTELPAPLSYFQNAQMSEDNHLSTVRSQNDNRERQEHNDRRSLGHPEPLSNGRPQGNSR 60
134_HuPS1    MTELPAPLSYFQNAQMSEDNHLSTVRSQNDNRERQEHNDRRSLGHPEPLSNGRPQGNSR 60
4_MuPS1      MTEIPAPLSYFQNAQMSEDSHSSSAIRSQNDSQERQQQHDRQRLDNPEPISNGRPQSNR 60
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2_HuPS1      QVVEQDEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDGQLIYTPFTE 120
134_HuPS1    QVVEQDEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDGQLIYTPFTE 120
4_MuPS1      QVVEQDEEDEELTLKYGAKHVIMLFVPVTLCMVVVVATIKSVSFYTRKDGQLIYTPFTE 120
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2_HuPS1      DTETVGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI 180
134_HuPS1    DTETVGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI 180
4_MuPS1      DTETVGQRALHSILNAAIMISVIVIMTILLVVLYKYRCYKVIHAWLIISLLLLFFFSFI 180
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2_HuPS1      YLGEVFKTYNVAVDYITVALLIWNLGVVGMISIHWKGPLRLQQAYLIMISALMALVFIKY 240
134_HuPS1    YLGEVFKTYNVAVDYITVALLIWNFGVVGMIHSHWKGPLRLQQAYLIMISALMALVFIKY 240
4_MuPS1      YLGEVFKTYNV-VDYVTVALLIWNWGVGMIAIHWKGPLRLQQAYLIMISALMALVFIKY 239
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2_HuPS1      LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE 300
134_HuPS1    LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE 300
4_MuPS1      LPEWTAWLILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAE 299
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2_HuPS1      GDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEWEAQRDShLGPHRSTPESRAA 360
134_HuPS1    GDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEWEAQRDShLGPHRSTPESRAA 360
4_MuPS1      GDPEAQRRVPKNPKYNTQRAERETQDSGSGNDDGGFSEWEAQRDShLGPHRSTPESRAA 359
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2_HuPS1      VQELSSSILAGEDPEERGVKLGLGDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCL 420
134_HuPS1    VQELSSSILAGEDPEERGVKLGLGDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCL 420
4_MuPS1      VQELSGSILTSIEDPEERGVKLGLGDFIFYSVLVGKASATASGDWNTTIAC-VAILIGLCL 418
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2_HuPS1      TLLLLAIFKKALPALPISITFGLVFYFATDYLVPFMDQLAFHQFYI 467
134_HuPS1    TLLLLAIFKKALPALPISITFGLVFYFATDYLVPFMDQLAFHQFYI 467
4_MuPS1      -LLLLAIYKGP--APISITFGFVF-FATDYLVPFMDQLAFHQFYI 461
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